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(12) **United States Design Patent**  
**Verleur et al.**

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(54) **CARTOMIZER FOR A VAPORIZER**  
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3,200,819 A 8/1965 Gilbert  
3,203,025 A 8/1965 Schreur  
3,400,998 A 9/1968 Daugherty et al.

(Continued)

FOREIGN PATENT DOCUMENTS

CA 2 846 286 A1 4/2013  
CN 1233436 A 11/1999

(Continued)

OTHER PUBLICATIONS

Andrus et al., "Nicotine microaerosol inhaler", Canadian Respiratory Journal, Nov./Dec. 1999, pp. 509-512, Vo. 6, No. 6.

(Continued)

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(\*\*) Term: **14 Years**

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(52) **U.S. Cl.**  
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(58) **Field of Classification Search**  
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131/270-273, 360-368, 329, 330, 328;  
128/202.21; D23/360, 363  
CPC ..... A24C 1/18; A24D 1/00; A61M 15/06;  
A24F 47/002; A24F 1/28; A24F 47/008  
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,446,087 A 2/1923 Griffin  
2,057,353 A 10/1936 Whittemore, Jr.  
2,545,851 A 3/1951 Kardos  
3,060,429 A 10/1962 Winston

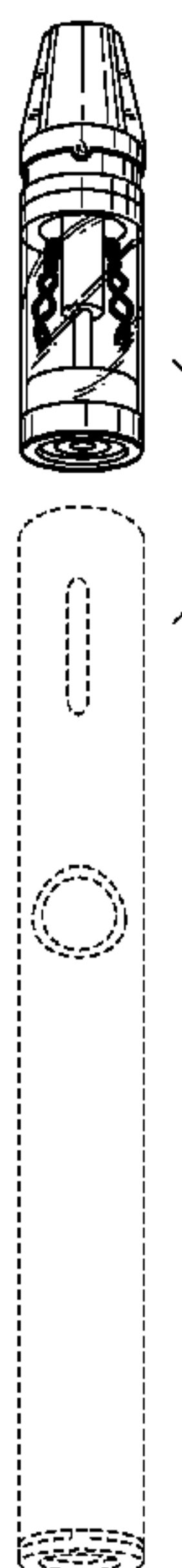
(57) **CLAIM**

The ornamental design for a cartomizer for a vaporizer, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of a cartomizer for a vaporizer with the cartomizer inserted into the battery portion for the vaporizer, the battery portion illustrated in broken lines; FIG. 2 is an exploded front perspective view of the cartomizer of FIG. 1 with the cartomizer removed from the battery portion, the battery portion illustrated in broken lines; FIG. 3 is a top view of the cartomizer of FIG. 1; FIG. 4 is a side view of the cartomizer of FIG. 1; FIG. 5 is a front view of the cartomizer of FIG. 1; FIG. 6 is a rear view of the cartomizer of FIG. 1; and, FIG. 7 is a bottom view of the cartomizer of FIG. 1. The broken lines in the drawings depict environment that forms no part of the claimed design.

**1 Claim, 1 Drawing Sheet**



(56)

References Cited

U.S. PATENT DOCUMENTS

3,479,561 A 11/1969 Janning  
 3,502,588 A 3/1970 Winberg  
 3,747,120 A 7/1973 Stemme  
 D248,047 S 5/1978 Rappoport  
 D251,072 S 2/1979 Stuetzer  
 4,207,457 A 6/1980 Haglund et al.  
 D257,519 S 11/1980 Plozner  
 D259,588 S 6/1981 Stutzer  
 D260,690 S 9/1981 Stutzer  
 D260,941 S 9/1981 Figur  
 4,569,136 A 2/1986 Loring  
 4,676,237 A 6/1987 Wood et al.  
 4,771,295 A 9/1988 Baker et al.  
 4,771,796 A 9/1988 Myer  
 4,797,692 A 1/1989 Ims  
 4,848,374 A 7/1989 Chard et al.  
 4,945,448 A 7/1990 Bremenour et al.  
 4,945,929 A 8/1990 Egilmex  
 4,972,855 A 11/1990 Kuriyama et al.  
 4,990,939 A 2/1991 Sekiya et al.  
 5,060,671 A 10/1991 Counts et al.  
 5,124,200 A 6/1992 Mallonee  
 5,144,962 A 9/1992 Counts et al.  
 5,224,265 A 7/1993 Dux et al.  
 5,327,915 A 7/1994 Porenski et al.  
 5,388,574 A 2/1995 Ingebretsen  
 5,505,214 A 4/1996 Collins et al.  
 5,646,666 A 7/1997 Cowger et al.  
 5,666,977 A 9/1997 Higgins et al.  
 5,703,633 A 12/1997 Gehrler et al.  
 5,743,251 A 4/1998 Howell et al.  
 5,819,756 A 10/1998 Mielordt  
 5,894,841 A 4/1999 Voges  
 5,996,589 A 12/1999 St. Charles  
 6,062,213 A 5/2000 Fuisz et al.  
 6,155,268 A 12/2000 Takeuchi  
 6,196,218 B1 3/2001 Voges  
 6,234,167 B1 5/2001 Cox et al.  
 6,322,268 B1 11/2001 Kaufmann et al.  
 6,471,782 B1 10/2002 Fang et al.  
 6,501,052 B2 12/2002 Cox et al.  
 6,598,607 B2 7/2003 Adiga et al.  
 6,620,659 B2 9/2003 Emmma et al.  
 6,701,921 B2 3/2004 Sprinkel, Jr. et al.  
 6,719,443 B2 4/2004 Gutstein et al.  
 6,722,763 B1 4/2004 Hsu et al.  
 7,059,307 B2 6/2006 Pellizzari et al.  
 D531,180 S 10/2006 Goto  
 7,143,766 B2 12/2006 Schuster et al.  
 D624,238 S 9/2010 Turner  
 D642,330 S 7/2011 Turner  
 D644,375 S 8/2011 Zhou  
 D645,816 S 9/2011 Sasada et al.  
 D675,777 S 2/2013 Wu  
 8,365,742 B2 2/2013 Hon  
 8,375,957 B2 2/2013 Hon  
 8,393,331 B2 3/2013 Hon  
 8,490,628 B2 7/2013 Hon  
 D688,415 S \* 8/2013 Kim ..... D27/101  
 D693,053 S 11/2013 Chen  
 D693,765 S 11/2013 Workman et al.  
 D695,450 S 12/2013 Benassayag et al.  
 D702,876 S 4/2014 Liu  
 D704,634 S 5/2014 Eidelman et al.  
 D718,492 S 11/2014 Albanese  
 D720,094 S \* 12/2014 Alima ..... D27/101  
 D720,095 S 12/2014 Alima  
 D720,496 S \* 12/2014 Alima ..... D27/101  
 D720,497 S \* 12/2014 Alima ..... D27/101  
 D720,881 S 1/2015 Liu  
 D720,882 S 1/2015 Albanese  
 D720,883 S 1/2015 Albanese  
 D721,202 S 1/2015 Liu

D722,166 S 2/2015 Buehl et al.  
 D722,956 S 2/2015 Alima  
 8,955,522 B1 \* 2/2015 Bowen ..... A24F 47/008  
 128/202.21  
 D724,263 S 3/2015 Malhi  
 D724,782 S 3/2015 Wu  
 D725,310 S 3/2015 Eksouzian  
 D726,364 S \* 4/2015 Weigensberg ..... D27/101  
 D729,441 S \* 5/2015 Hua ..... D27/101  
 9,038,642 B2 \* 5/2015 Liu ..... A24F 47/008  
 131/223  
 D732,733 S 6/2015 Spagnolo et al.  
 2005/0017685 A1 1/2005 Rees et al.  
 2006/0093977 A1 5/2006 Pellizzari et al.  
 2008/0257367 A1 10/2008 Paterno et al.  
 2011/0220234 A1 9/2011 Haas  
 2012/0318882 A1 12/2012 Abehasera  
 2013/0042865 A1 2/2013 Monsees et al.  
 2013/0152922 A1 6/2013 Benassayag et al.  
 2013/0180533 A1 \* 7/2013 Kim ..... A24F 47/008  
 131/273  
 2013/0192617 A1 \* 8/2013 Thompson ..... A24F 47/008  
 131/329  
 2013/0199528 A1 8/2013 Goodman et al.  
 2013/0213420 A1 8/2013 Hon  
 2013/0220315 A1 8/2013 Conley et al.  
 2013/0284190 A1 10/2013 Scatterday et al.  
 2013/0298905 A1 11/2013 Levin et al.  
 2014/0034070 A1 2/2014 Schennum  
 2014/0041655 A1 2/2014 Barron et al.  
 2014/0261499 A1 9/2014 Hon  
 2015/0027467 A1 1/2015 Liu  
 2015/0027471 A1 \* 1/2015 Feldman ..... H05B 3/16  
 131/329  
 2015/0091501 A1 4/2015 Claudepierre

FOREIGN PATENT DOCUMENTS

CN 201018927 Y 2/2008  
 CN 203087525 U 7/2013  
 CN 203182012 U 9/2013  
 EP 0 358 114 A2 3/1990  
 EP 0 533 599 A1 3/1993  
 EP 0 845 220 A1 6/1998  
 EP 2 654 471 B1 10/2013  
 KR 101 011 453 B1 1/2011  
 WO 98/17131 A1 4/1998  
 WO 02/098390 A2 12/2002  
 WO 03/000324 A1 1/2003  
 WO 03/034847 A1 5/2003  
 WO 20071078273 A1 7/2007  
 WO 20121072762 A1 6/2012  
 WO 20131034453 A1 3/2013  
 WO 2013/093695 A1 6/2013  
 WO 20131116567 A1 8/2013  
 WO 20131155645 A1 10/2013  
 WO 20131159245 A1 10/2013  
 WO 2014/008646 A1 1/2014

OTHER PUBLICATIONS

“What is a MOSFET, what does it look like, and how does it work?” dated May 24, 2004, printed from the Internet Archive, i.e., the Wayback machine, which was archived on Mar. 5, 2010 (“TechPowerUp”).  
 “What is a MOSFET, what does it look like, and how does it work?” dated May 24, 2004, printed from the Internet Archive, i.e., the Wayback machine, which was archived on Jul. 20, 2011 (“TechPowerUp”).  
 European Patent Office, Partial European Search Report mailed Oct. 13, 2015 for EP Application No. 14159709.6 filed Mar. 14, 2014.  
 European Patent Office Search Report mailed Oct. 12, 2015 for EP Application No. 14159710.4, filed Mar. 14, 2014.

\* cited by examiner



FIG. 1

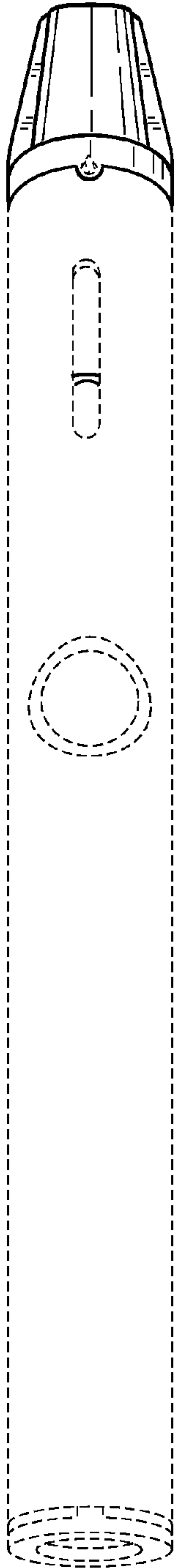


FIG. 2

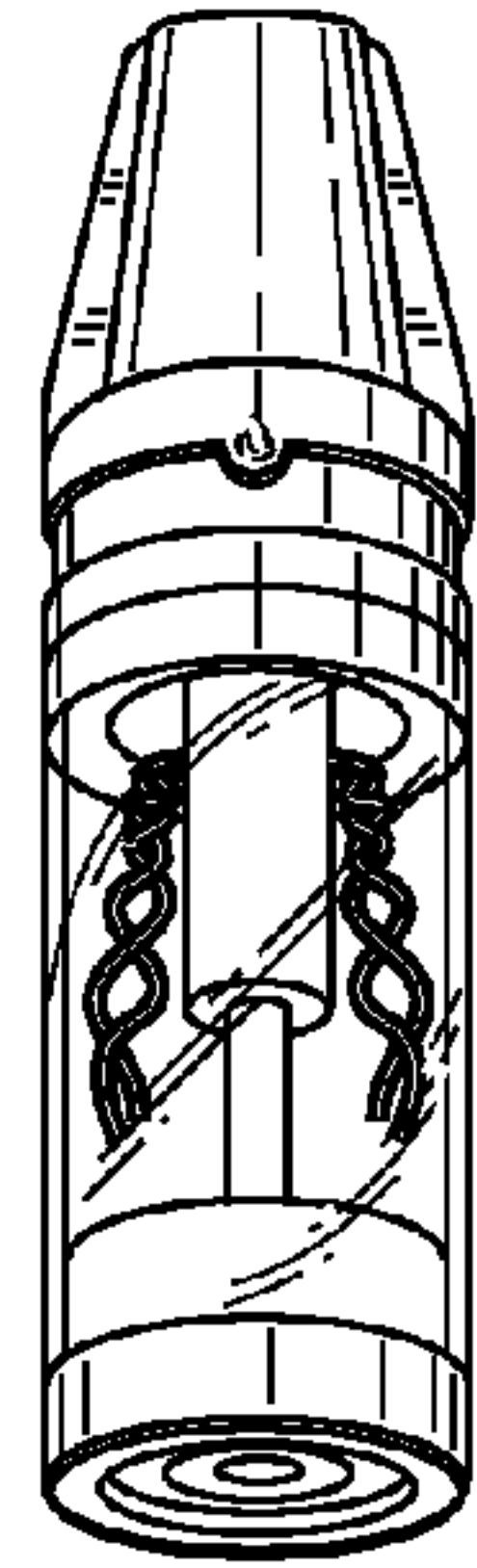


FIG. 3

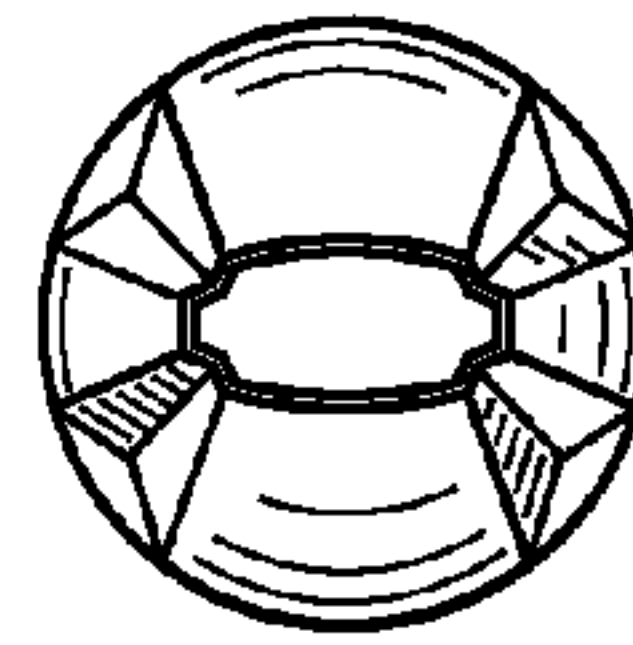


FIG. 4

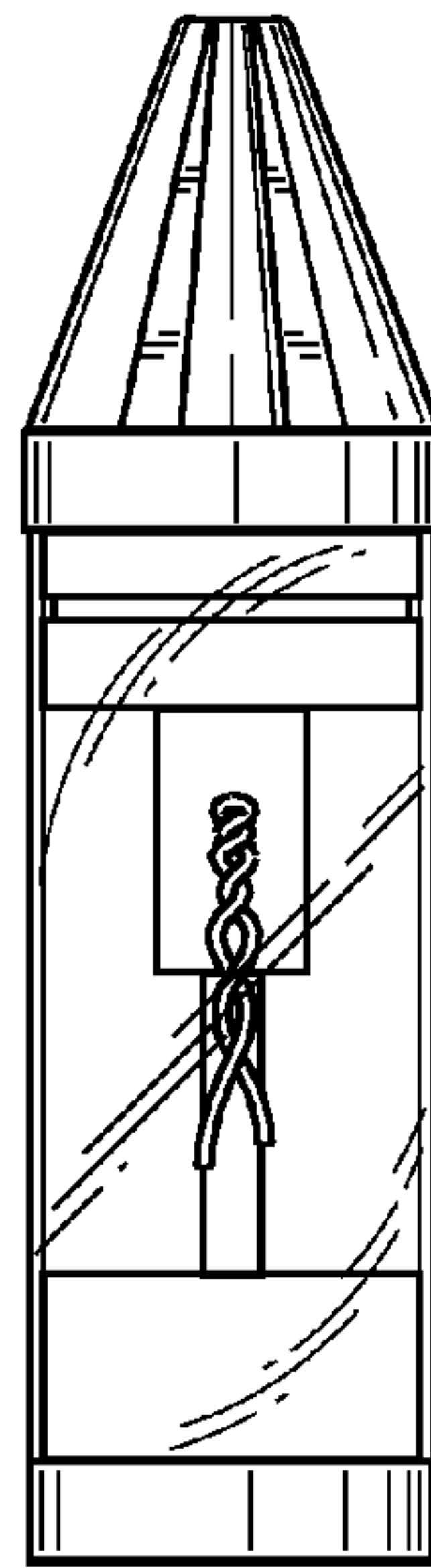


FIG. 5

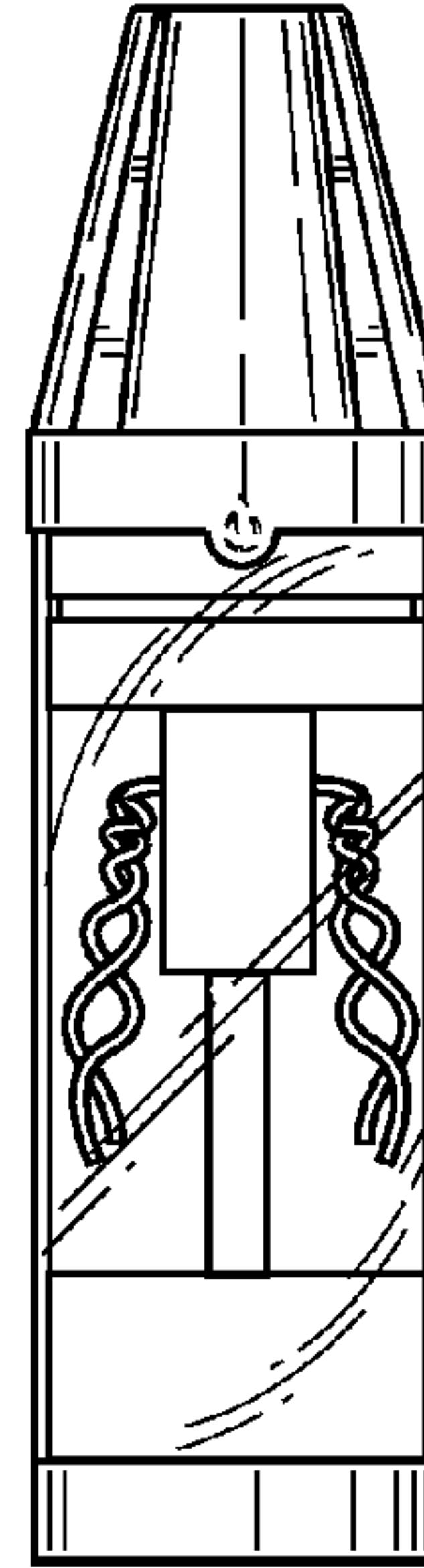


FIG. 6

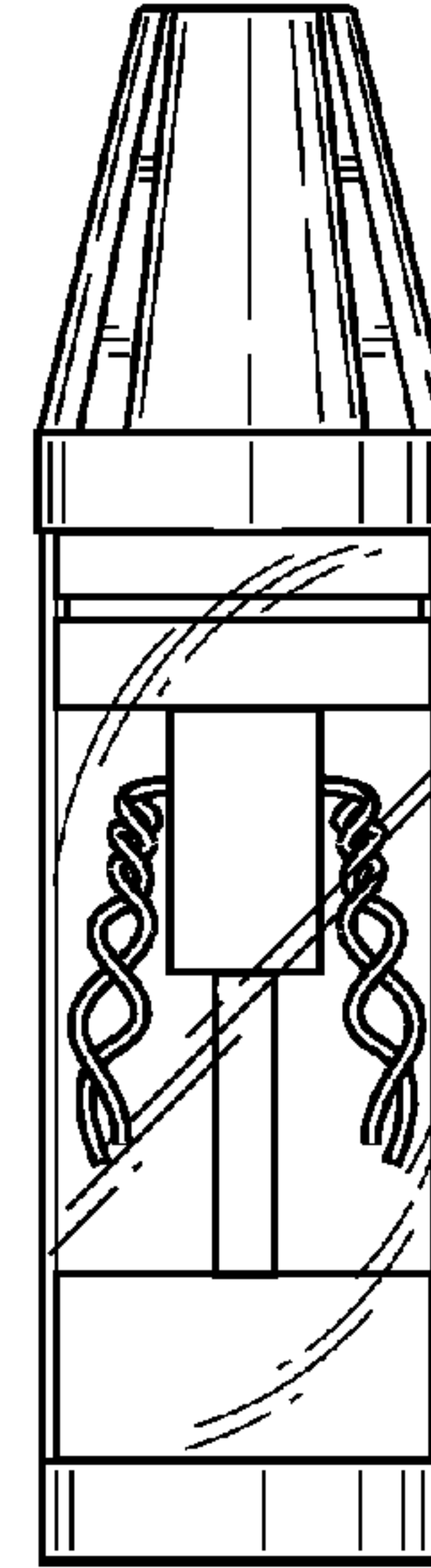


FIG. 7

